

Claims

1. A surface mountable electronic device, comprising:
a body with a first surface for mounting the device;
recessed portions within the first surface; and
a plurality of electrical contacts in said first surface, said electrical contacts including first portions which form at least a portion of at least one inner surface of said recessed portions.
2. The device of claim 1, wherein (1) each of the electrical contacts extends, at least partially, along said first surface; and (2) if said first surface were mounted on a planar surface, the first portions would be spaced apart from said planar surface.
3. The device of claim 1, wherein at least a portion of said first portions within said recessed portions are substantially parallel to said first surface.
4. The device of claim 1, wherein at least a portion of said first portions within said recessed portions are not parallel to said first surface.
5. The device of claim 4, wherein at least a portion of said first portions within said recessed portions are orthogonal to said first surface.
6. The device of claims 4, wherein at least a portion of said first portions within said recessed portions are diagonal portions extending diagonally away from said first surface.
7. The device of claim 1, wherein said first portions within said recessed portions comprise
a diagonal portion extending diagonally away from said first surface; and
a parallel portion extending substantially parallel to said first surface and connected to the end of the diagonal portion furthest away from the first surface.
8. The device of claim 1, wherein said electrical contacts further comprise second portions in the non-recessed portions of said first surface.

9. The device of claim 8, wherein outer surfaces of the second portions are substantially flush with or stand proud of the first surface.
10. The device of claim 8, wherein the second portions extend substantially parallel to the first surface from the ends of the diagonal portions of the first portions which are closest to the first surface.
11. The device of claim 1, wherein said electrical contacts extend outwardly along the first surface of said body, and said first portions are positioned towards the outer edges of the first surface of said body.
12. The device of claim 1, wherein the device is mounted on a printed circuit board with the electrical contacts in direct contact with terminals of the printed circuit board and with adhesive between said first portions and said printed circuit board.
13. The device of claim 1, wherein said electrical contacts are heat sinks.
14. The device of claim 1, wherein the electrical contacts extend outwardly along the first surface of the body, and the first portions are positioned towards the outer edges of the first surface of the body.
15. The device of claim 1, wherein the device is selected from a group comprising an opto-electric device and a light-emitting device.